

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 6,920,636 B1  
APPLICATION NO. : 09/464636  
DATED : July 19, 2005  
INVENTOR(S) : Dievendorff et al.

Page 1 of 6

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the title page, item (56), under "U.S. Patent Documents", in column 1, line 1,  
below "4,635,208 A 1/1987 Coleby et al." insert

-- 4,677,576 6/1987 Berlin, Jr. et al.  
4,800,488 1/1989 Agarwal et al.  
4,821,220 4/1989 Duisberg  
4,953,080 8/1990 Dysart et al.  
4,972,437 11/1990 Citron et al.  
5,093,914 3/1992 Coplien et al.  
5,119,475 06/1992 Smith et al.  
5,125,091 06/1992 Staas, Jr. et al.  
5,133,075 7/1992 Risch  
5,151,987 09/1992 Abraham et al.  
5,168,441 12/1992 Onarheim et al.  
5,210,874 5/1993 Karger --.

On the title page, item (56), under "U.S. Patent Documents", in column 1, line 2,  
below "5,212,793 A 5/1993 Donica et al." insert

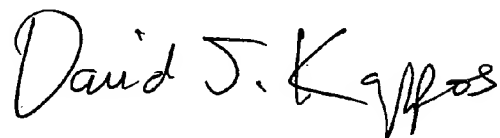
-- 5,301,280 4/1994 Schwartz et al.  
5,307,490 4/1994 Davidson et al.  
5,315,703 5/1994 Matheny et al.  
5,442,791 8/1995 Wrabetz et al.  
5,455,953 10/1995 Russell  
5,463,625 10/1995 Yasrebi  
5,481,715 1/1996 Hamilton et al.  
5,485,617 1/1996 Stutz et al.  
5,504,898 4/1996 Klein --.

On the title page, item (56), under "U.S. Patent Documents", in column 1, line 3,  
below "5,511,197 A 4/1996 Hill et al." insert

-- 5,517,645 5/1996 Stutz et al.  
5,519,867 5/1996 Moeller et al. --.

Signed and Sealed this

Sixth Day of July, 2010



David J. Kappos  
*Director of the United States Patent and Trademark Office*

On the title page, item (56), under “U.S. Patent Documents”, in column 1, line 4,  
below “5,519,863 A 5/1996 Allen et al.” insert

-- 5,560,029 9/1996 Papadopoulos et al.  
5,574,862 11/1996 Marianetti, II  
5,574,918 11/1996 Hurley et al.  
5,577,251 11/1996 Hamilton et al.  
5,577,252 11/1996 Nelson et al. --.

On the title page, item (56), under “U.S. Patent Documents”, in column 1, line 6,  
below “5,581,760 A 12/1996 Atkinson et al.” insert

-- 5,598,562 1/1997 Cutler et al.  
5,606,719 2/1997 Nichols et al.  
5,619,710 4/1997 Travis, Jr. et al.  
5,625,775 4/1997 Davis et al.  
5,652,888 7/1997 Burgess  
5,675,796 10/1997 Hodges et al. --.

On the title page, item (56), under “U.S. Patent Documents”, in column 1, line 7,  
below “5,687,370 A 11/1997 Garst et al.” insert -- 5,689,708 11/1997 Regnier  
et al. --.

On the title page, item (56), under “U.S. Patent Documents”, in column 1, line 8,  
below “5,764,897 A 6/1998 Khalidi” insert

-- 5,787,281 7/1998 Schreiber et al.  
5,790,789 8/1998 Suarez --.

On the title page, item (56), under “U.S. Patent Documents”, in column 1, line 10,  
below “5,802,291 A 9/1998 Balick et al.” insert -- 5,822,585 10/1998 Noble et al. --.

On the title page, item (56), under “U.S. Patent Documents”, in column 1, line 11,  
below “5,826,270 A \* 10/1998 Rutkowski et al. ...707/10”  
insert -- 5,838,916 11/1998 Domenikos et al. --.

On the title page, item (56), under “U.S. Patent Documents”, in column 1, line 12,  
below “5,848,234 A \* 12/1998 Chernick et al. ....709/203” insert

-- 5,857,197 1/1999 Mullins  
5,857,201 1/1999 Wright, Jr. et al.  
5,864,669 1/1999 Osterman et al.  
5,870,605 2/1999 Bracho --.

On the title page, item (56), under “U.S. Patent Documents”, in column 1, line 13,  
below “5,872,976 A 2/1999 Yee et al.” insert

-- 5,884,316 3/1999 Bernstein et al.  
5,887,171 3/1999 Tada et al.  
5,889,942 3/1999 Orenshteyn --.

On the title page, item(56), under “U.S. Patent Documents”, in column 1, line 14,  
below “5,889,957 A 3/1999 Ratner et al.” insert

-- 5,907,675 5/1999 Aahlad  
5,913,061 6/1999 Gupta et al. --.

On the title page, item (56), under “U.S. Patent Documents”, in column 1, line 16,  
below “5,958,004 A 9/1999 Helland et al.” insert -- 5,958,010 9/1999 Agarwal et al. --.

On the title page, item (56), under “Foreign Patent Documents”, in column 2, line 1,  
below “EP 0414624 A 2/1991” insert -- EP 0623876A2 11/1994 --.

On page 2, item (56), under “U.S. Patent Documents”, in column 1, line 2,  
below “6,026,428 A 2/2000 Hutchison et al.” insert

-- 6,061,796 5/2000 Chen et al.  
6,094,688 7/2000 Mellen-Garnett et al. --.

On page 2, item (56), under “U.S. Patent Documents”, in column 1, line 4,  
below “6,125,400 A \* 9/2000 Cohen et al. ....709/330”

Insert -- 6,134,594 10/2000 Hellend et al. --.

On page 2, item (56), under “U.S. Patent Documents”, in column 1, line 12,  
below “6,567,861 B1 \* 5/2003 Kasichainula et al. ...719/330”

insert -- 6,609,128 08/2003 Underwood --.

On page 2, item (56), under “Other Publications”, in column 2, line 9, after “RMI”  
delete “://”.

On page 2, item (56), under “Other Publications”, in column 2, line 21,  
delete “OOPLSA” and insert -- OOPSLA --, therefor.

On page 2, item (56), under “Other Publications”, in column 2, line 37,  
delete “Forman” and insert -- Formal --, therefor.

On page 2, item (56), under “Other Publications”, in column 2, line 38,  
delete “ECCOP” and insert -- ECOOP --, therefor.

On page 3, item (56), under “Other Publications”, in column 1, line 7,  
delete “Vistor” and insert -- Visitor --, therefor.

On page 3, item (56), under “Other Publications”, in column 1, line 10,  
delete “Aspects” and insert -- Aspect --, therefor.

On page 3, item (56), under “Other Publications”, in column 1, line 14,  
delete “Aspect” and insert -- Aspects --, therefor.

On page 3, item (56), under “Other Publications”, in column 2, line 15,  
delete “Aspects” and insert -- Aspect --, therefor.

On page 3, item (56), under "Other Publications", in column 2, line 20, delete "Apsect" and insert -- Aspect --, therefor.

On page 3, item (56), under "Other Publications", in column 2, line 38, below "Programming Workshop at ECOOP' 97, 1 pp., 1997." insert -- "Orfali, Harkey, Edwards, "Client/Server Transaction Processing," Client/Server Survival Guide, pages 241-288 (1994). Brockschmidt, "Inside OLE," (second edition), chapter 5, pages 219-276 and chapter 22, pages 1011-1063 (1995). R. Limprecht, "Microsoft Transaction Server," IEEE, Compcon'97, pp. 14-18 (1997). Object Transaction Services, OMG document 94.6.1, pp. 1-102, (6/1994). Orfali et al., "RPC, Messaging, and Peer-to-Peer," Essential Client/Server Survival Guide, Chapter 22, "Distributed Object Services:", pp. 367-372, 1994. "Using the MSMQ API Functions - MSMQ Reference", MSDN Library - July 1998, pages 1-87 (1998). "Active Objects in Hybrid," Proceedings of OOPSLA 1987, by O.M. Nierstrasz, pages 243-253, October 4-8 (1987). Kiczales, "Going Beyond Objects for Better Separation of Concerns in Design and Implementation," Aspect-Oriented-Programming, 1997, 1998 (86 pages). Lopes et al., "Proceedings of the Aspect-Oriented Programming Workshop at ECOOP '98," 1998 (including all 21 position papers, totaling 149 pages). Lopes et al., "Proceedings of the Aspect-Oriented Programming Workshop at ECOOP '97," 1997 (including all 22 position papers, total 93 pages). Brockschmidt, "Chapter 6 Local/Remote Transparency," Inside Ole, 2d Ed., pp. 277-338 (1995). Lam, "Building Scalable Apps," PC Tech Magazine, pp. 209-210, 212-214, (April 1998). Microsoft, Windows NT® Server, Server Operating System White Paper, "DCOM Technical Overview," pp. 1- 43 (April 1998). Orfali et al., "COM:OLE's Object Bus", The Essential Distributed Objects Survival Guide, Ch. 25, pp. 429-452 (©1996). Orfali et al., "CORBA Services: System Management and Security," The Essential Distributed Objects Survival Guide, Ch. 10, pp. 183-202 (1996). The Component Object Model, "Chapter 9: Connectable Objects," Footnotes, pp. 1-12, microsoft.com/oledev/olecom/Ch09.htm. (1996) Hackathorn R., "Publish or Perish, Solutions to overworked networks and unruly software distribution are just part of P&S," BYTE Magazine, pp. 1-15 (9/1997). Hamilton (Ed.), "JavaBeans™," Sun Microsystems, Version 1.01, pp. 1-114. (7/24/1997). Horstmann et al., "DCOM Architecture," DCOM Architecture, Microsoft Press, pp. 1-55 (July 23, 1997). Hurwicz, "Multicast to the Masses: The IP multicast standard is ready, but the infrastructure isn't. Yet...," BYTE Magazine, pp. 1-10 (6/1997). Hackathorn, "When information links change constantly, Publish and Subscribe promises robust data deliver" BYTE Magazine, pp. 1-8 (6/1997). Loshin, "Pull out the old and push in the new with reliable and scalable P&S middleware," BYTE Magazine, pp. 1-11 (2/1998). Managing Performance/Reliability Trade-Offs," BYTE Magazine, Review, pp. 1-2 (2/1998). "Monkey in the Middleware," BYTE Magazine, Reviews, pp. 1-2 (2/1998).

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Matena et al., "Enterprise JavaBeans™," Version 1.0 Specification, Sun Microsystems, pp. 1-181 (March 21, 1998).

"The Component Object Model: Technical Overview," Microsoft Corporation, pp. 1-17. (1996).

Seetharaman, "The CORBA Connection," Communications of the ACM, 41:10, pp. 34-36 (October 1998).

Siegel, "OMG Overview: CORBA and the OMA in Enterprise Computing," Communications of the ACM, 41:10, pp. 37-43 (10/1998).

Vinoski, "New features for CORBA 3.0," Communications of the ACM, 41:10, pp. 44-52 (10/1998).

Schmidt, "Evaluating Architectures for Multithreaded Object Request Brokers," Communications of the ACM, 41:10, pp. 54-60 (10/1998).

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"Data Delivery When You Want It," by Dr. Richard Hackathorn, BYTE Magazine, June 1997.

"Publish and Subscribe Meets the Internet," by Pete Loshin, BYTE Magazine, February 1998.

"Event Service Specification," CORBAServices: Common Object Services Specification chapter 4, pages 1-33 (March 1995).

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 Controller Area Network (CAN)”, ©1998 IEEE, 10 pages.  
 Carzaniga, Antonio; Rosenblum, David S.; and Wolf, Alexander L., “Design of a Scalable  
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 of Computer Science; August 1998, 16 pages.  
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 pp. 1-10, (Feb. 1998).  
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 08/959,139 10/1997 Helland et al.  
 08/959,149 10/1997 Limplecht et al.  
 09/135,397 8/1998 Thatte et al.  
 09/393,011 9/1999 Teegan et al.  
 09/257,364 2/1999 Hinson et al.  
 09/135,378 8/1998 Dievendorff et al.  
 09/257,363 02/1999 Hinson et al. --.

In column 10, line 2, delete “recorde” and insert -- recorder --, therefor.

In column 10, line 22, delete “invocations)” and insert -- invocation(s) --, therefor.

In column 10, line 23, delete “invocations)” and insert -- invocation(s) --, therefor.

In column 14, line 41, delete “CoCreateInstanceo” and insert -- CoCreateInstance --,  
 therefor.

In column 17, line 22, after “350” delete “5”.

In column 19, line 16, delete “IID<sub>13</sub>IShip” and insert -- IID\_IShip --, therefor.